



DESIGN <i>CP</i>	DRAWN BY <i>CP</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. DSI 9179	REV. A SHEET 1 OF 2
DATE 99.12.13		TITLE AS 350/355 AFT MAINTENANCE STEP NTS	
A	99.12.13	NEW ISSUE	

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION DRAWING D350-591 REV. D

REF. CANADIAN STC: SH92-6
US FAA STC: SH967NE

Add the D350-591-133 Aft Maintenance Step Installation to Installation Drawing D350-591 Rev. D for installation on AS 350/355 aircraft equipped with Hi-Skid gear. The D350-591-133 Aft Maintenance Step may be installed on either the left-hand or right-hand side of the aircraft and is compatible with existing Dart AS 350/355 Hi-Skid Step Installations.

PARTS LIST:

Qty	Part No.	Description
X	D350-591-133	AFT MAINTENANCE STEP INSTALLATION
4	D2230-1	MOUNTING LUG
4	D2230-3	MOUNTING LUG
1	D2945	MOUNTING PLATE
1	D2946-041	STEP ASSEMBLY
4	AN4-11A	BOLT
8	AN4-14A	BOLT
2	AN4-7A	BOLT
14	AN960JD416	WASHER
14	MS21042L4	NUT (or MS21042-4)

INSTALLATION INSTRUCTIONS:

1. Attach the D2945 Mounting Plate onto the forward face of the foremost flange of the D2946-041 Step Assembly using the hardware shown in Figure 2.
2. Present the step to the crosstubes as outlined on page 2. The step should be placed 24.5 inches above the ground (7.0 inches above any existing Dart Hi-Skid steps). Propping the step at the appropriate height can facilitate installation.
3. Place the mounting lugs onto the crosstubes (see Figures 2 and 3).
4. Place bolts into one side of each mounting lug. Leave bolts loose to allow for adjustment.
5. Use the step as a guide to ensure proper lug placement on the crosstubes.
6. Ensure step is level and at the correct height from the ground.
7. Tighten lug bolts, do not exceed torque of 60 in-lb on the nuts.
CAUTION: Over-torquing the nuts could lead to structural damage of the lugs.
8. Install the hardware to mount the step to the mounting lugs.

WEIGHT AND BALANCE:

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		ARM	MOMENT	ARM	MOMENT
D350-591-133	6.78 lb	±38.6 in	±261.7 in-lb	133.8 in	907.2 in-lb
Aft Maintenance Step	3.07 kg	±0.98 m	±3.01 m-kG	3.40 m	10.44 m-kG



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DATE 99.12.13		TITLE AS 350/355 AFT MAINTENANCE STEP	SCALE NTS

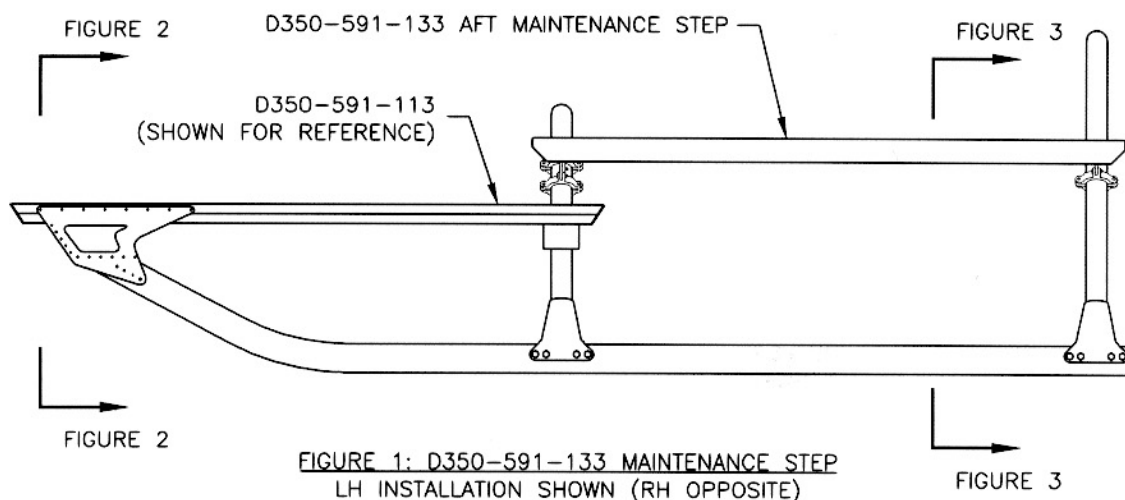


FIGURE 1: D350-591-133 MAINTENANCE STEP
LH INSTALLATION SHOWN (RH OPPOSITE)

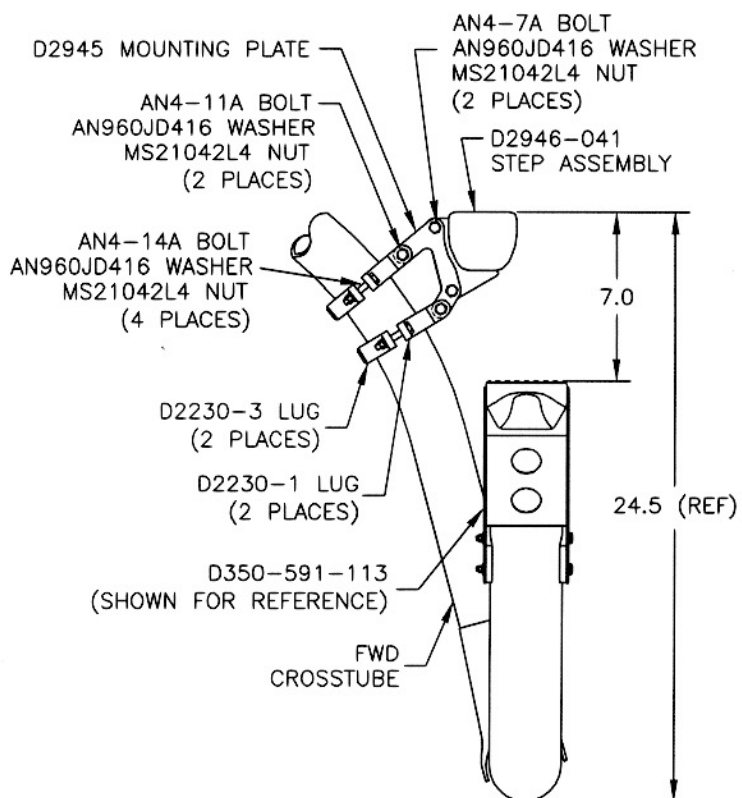


FIGURE 2: FWD CROSSTUBE
LH INSTALLATION SHOWN (RH OPPOSITE)

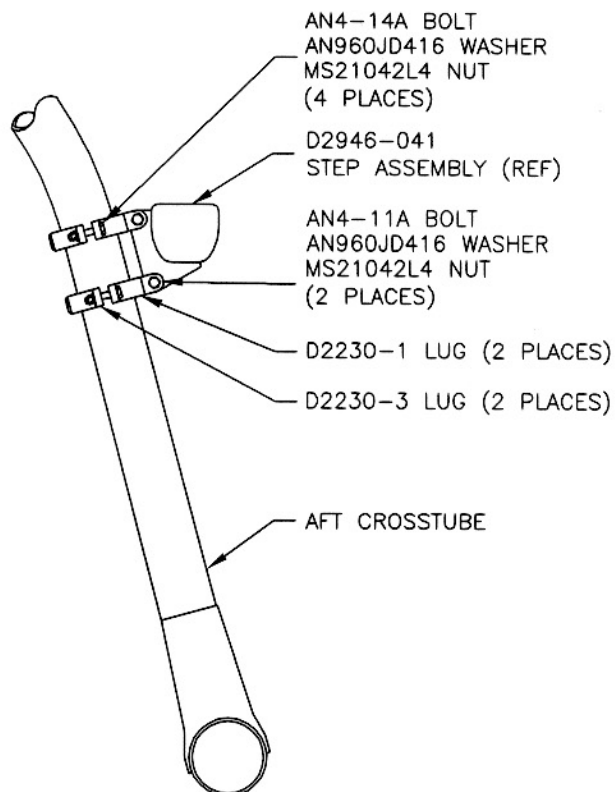


FIGURE 3: AFT CROSSTUBE
LH INSTALLATION SHOWN (RH OPPOSITE)